

**FILE NOTATIONS**

Entered in NID File .....  
Location Map Pinned .....  
Card Indexed .....

Checked by Chief *PAB*

Approval Letter *11-24-69*

Disapproval Letter .....

**COMPLETION DATA:**

Date Well Completed .....

Location Inspected .....

OW..... WW..... TA.....

Bond released

GW..... OS..... PA.....

State or Fee Land .....

**LOGS FILED**

Driller's Log.....

Electric Logs (No.) .....

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....

*12-14-69 Logging Program by D.A.B.*

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
Mesa Petroleum Company

3. ADDRESS OF OPERATOR  
Box 234, Farmington, N. M. 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
2120' fnl, 2010' fel  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
10 miles northwest Teec-Nos-Pos

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)  
2010'

16. NO. OF ACRES IN LEASE  
640

17. NO. OF ACRES ASSIGNED TO THIS WELL  
80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
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19. PROPOSED DEPTH  
5900'

20. ROTARY OR CABLE TOOLS  
Rotary-Surface to 5900'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5096' Gr.

22. APPROX. DATE WORK WILL START\*

5. LEASE DESIGNATION AND SERIAL NO.  
14-20-0603-9519

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Navajo

9. WELL NO.  
1-29

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 29, T43S, R25E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	200'	175 sx.
7 7/8"	5 1/2"	14 & 15.5#	5900'	400 sx.

A 12 1/4" hole will be drilled to 200' and 8 5/8" surface csg. run and cemented with sufficient cement to circulate. A 7 7/8" hole will then be drilled to approx. 5900' to test the Desert Creek zone.

If commercial production is indicated 5 1/2" production csg. will be run and cemented. The productive interval will then be selectively perforated, acidized, tbq. run and the well completed.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Engineer DATE 11/20/69

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

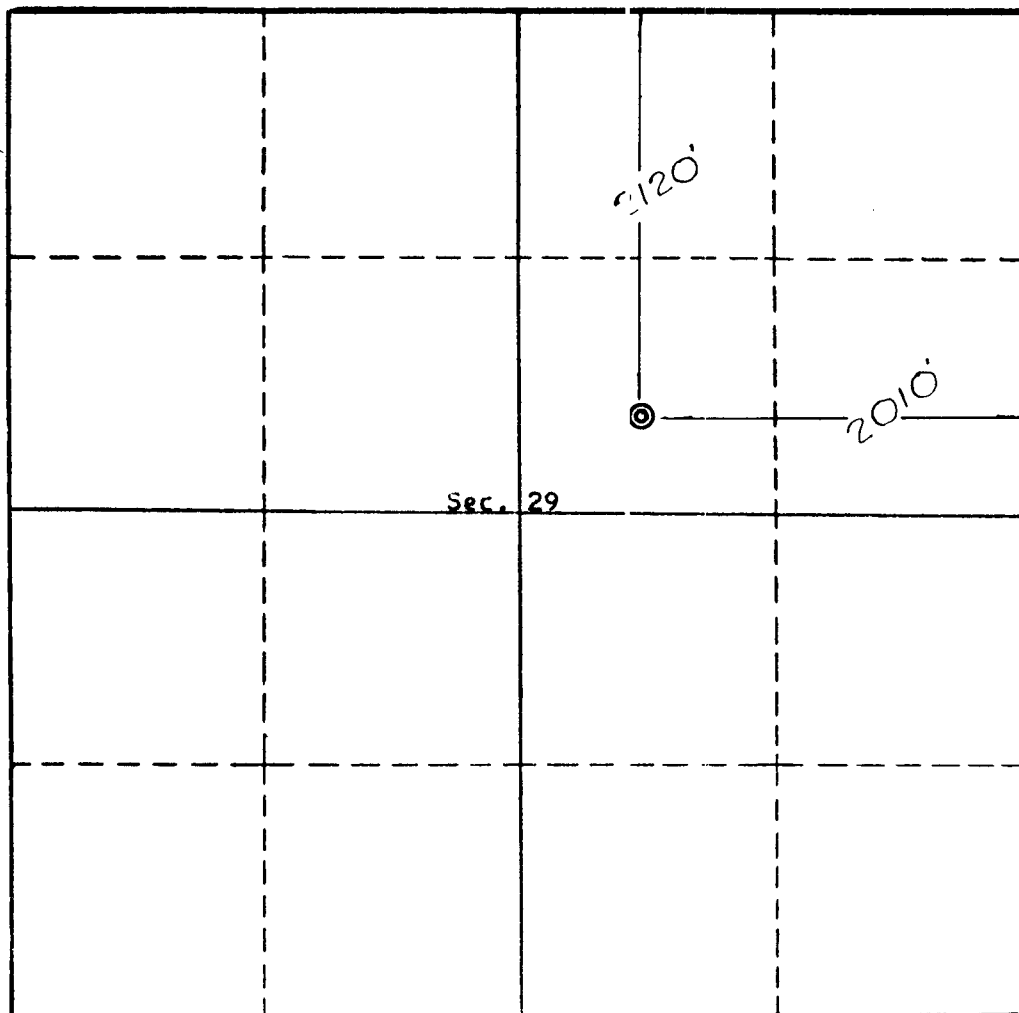
Company MESA PETROLEUM CO.

Well Name & No. Navajo #1-29

Location 2120 feet from the North line and 2010 feet from the East line.

Sec. 29, T. 43 S., R. 25 E., S. L. M., County San Juan, Utah

Ground Elevation 5096

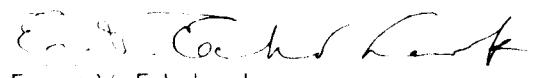


Scale, 1 inch = 1,000 feet

Surveyed **November 9**, 19 **69**

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

  
Ernest V. Echohawk  
Registered Land Surveyor  
Utah Registration No. 2611

FILE IN DUPLICATE

DIVISION OF OIL & GAS CONSERVATION

OF THE STATE OF UTAH

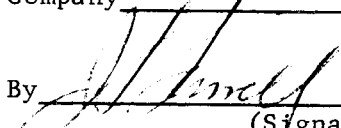
DESIGNATION OF AGENT

The undersigned producer, operator, transporter, refiner, gasoline or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations, and Rules of Practice and Procedure of the Division of Oil and Gas Conservation of the State of Utah, hereby appoint, C T Corporation System, whose address is 175 South Main St., Salt Lake City, Utah, (his, her or its) designated agent to accept and to be served with notices from said Board, or from other persons authorized under the Oil and Gas Conservation Act of the State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective Date of Designation August 26, 1965

Company Mesa Petroleum Co. Address P. O. Box 2009, Amarillo, Texas 79105

By  Title Production Superintendent  
(Signature)

NOTE: Agent must be a resident of Utah.

FILE IN DUPLICATE

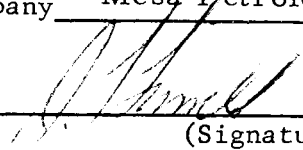
DIVISION OF OIL & GAS CONSERVATION  
OF THE STATE OF UTAH

DESIGNATION OF AGENT

The undersigned producer, operator, transporter, refiner, gasoline or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations, and Rules of Practice and Procedure of the Division of Oil and Gas Conservation of the State of Utah, hereby appoint, C T Corporation System, whose address is 175 South Main St., Salt Lake City, Utah, (his, her or its) designated agent to accept and to be served with notices from said Board, or from other persons authorized under the Oil and Gas Conservation Act of the State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective Date of Designation August 26, 1965

Company Mesa Petroleum Co. Address P. O. Box 2009, Amarillo, Texas 79105  
By  Title Production Superintendent  
(Signature)

NOTE: Agent must be a resident of Utah.

November 24, 1969

Mesa Petroleum Company  
P.O. Box 234  
Farmington, New Mexico 87401

Re: Well No. Navajo #1-29  
Sec. 29, T. 43 S, R. 25 E,  
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted. However, this approval is conditional upon a Designation of Agent being filed with this office in accordance with Rule A-4, General Rules and Regulations and Rules of Practice and Procedure, State of Utah, Division of Oil and Gas Conservation.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer  
HOME: 277-2890  
OFFICE: 328-5771

This approval terminates within 90 days if the well has not been spudded-in within said period.

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your co-operation with respect to completing these forms will be greatly appreciated.

Mesa Petroleum Com.  
November 24, 1969  
Page 2

The API number assigned to this well is 43-037-30046 (see Bulletin D-12 published by the American Petroleum Institute).

*Very truly yours,*

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sd  
Enclosures

cc: U.S. Geological Survey

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-0603-9519	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
2. NAME OF OPERATOR Mesa Petroleum Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Box 234, Farmington, N. M. 87401		8. FARM OR LEASE NAME Navajo	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface At proposed prod. zone 2120' fnl, 2010' fel		9. WELL NO. 1-29	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 10 miles northwest Teec-Nos-Pos		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 2010'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29, T43S, R25E	
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 80		18. STATE Utah	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. ---		20. ROTARY OR CABLE TOOLS Rotary-Surface to 5900'	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5096' Gr.		22. APPROX. DATE WORK WILL START*	

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	200'	175 sx.
7 7/8"	5 1/2"	14 & 15.5#	5900'	400 sx.

A 12 1/4" hole will be drilled to 200' and 8 5/8" surface csg. run and cemented with sufficient cement to circulate. A 7 7/8" hole will then be drilled to approx. 5900' to test the Desert Creek zone.

If commercial production is indicated 5 1/2" production csg. will be run and cemented. The productive interval will then be selectively perforated, acidized, tbq. run and the well completed.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED J. A. Huggan TITLE Engineer DATE 11/20/69  
(This space for Federal or State office use)

PERMIT NO. 73-037-30046 APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



Schur Mesa Pet. Co.

-12/14/69

29 43 S 25 E

Tom Dugan

"has been logged."

F.D. 5640 in alkali one a min DST. - looks bad

Phil Mc Gath. USGS.

(1) 5500 to F.D. - Cover alkali

5476 - Desert Creek. - no favorable

(2) 5200 - 5400 - top of Ismay (5292) - DST <sup>#1</sup> 5421-5454  
30' of mud.

(3) 4435 - 4535 -

(4485) - top of Heros.

(4) 2525 - 2625 - DeChelly (2589)

(5) 1200 - 1300 - Chertie (1273) base of Heros.

(6) 8-8 @ 245 - 100' plug  $\frac{1}{2}$  in  $\epsilon$   $\frac{1}{2}$  out.

(7) 10  $\frac{1}{2}$  @ surface / marker / mud between plugs.

E. Borchell - Jenner - in Bakerfield

JMB

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS CONSERVATION  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING  
\*\*\*\*\*

Well Name & Number Navajo #1-29  
Operator Mesa Petroleum Company Address Box 234, Farmington, N. M. Phone A/C 505 325-0238  
Contractor Mesa Drillers Address Box 707, Farmington, N. M. Phone A/C 505 327-9455  
Location SW 1/4 NE 1/4 Sec. 29 T. 43 N. R. 25 E, San Juan County, Utah.  
Water Sands:

<u>Depth</u>		<u>Volume *</u>	<u>Quality *</u>
<u>From:</u>	<u>To:</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1. <u>337'</u>	<u>522'</u>	<u>Unknown</u>	<u>Brackish</u>
2. <u>680'</u>	<u>1274'</u>	<u>"</u>	<u>"</u>
3. <u>2446'</u>	<u>2534'</u>	<u>"</u>	<u>"</u>
4. <u>2583'</u>	<u>2894'</u>	<u>"</u>	<u>Salty</u>
5. <u>5437'</u>	<u>5450'</u>	<u>" (Tight)</u>	<u>"</u>
6. <u>5498'</u>	<u>5514'</u>	<u>" (Continue on reverse side if necessary)</u>	

Formation Tops:

Entrada	337'	Shinarump	2446'	Upper Ismay	5292'
Carmel	522'	De Chelly	2588'	Lower Ismay	5402'
Navajo	680'	Organ Rock	2894'	Desert Creek	5475'
Chinle	1274'	Cutler-Lower		Akah	5588'
Remarks:		Mancos	3539'		
		Hermosa	4485'		

D.S.T. #1 5421' - 5454'. Recovered 30' drilling mud.

\*The water sands shown above are interpreted to be water bearing from analysis of ~~the~~ electrical logs. The volume of the sands is unknown and the water quality is interpreted from the logs.

- NOTE:
- (a) Upon diminishing supply of forms, please inform this office.
  - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of form).
  - (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R14245. LEASE DESIGNATION AND SERIAL NO.  
**N00-C-14-20-2733**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**Navajo**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Navajo**

9. WELL NO.

**1-29**

10. FIELD AND POOL, OR WILDCAT

**Wildcat**11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA**Sec. 29. T43S, R25E**

12. COUNTY OR PARISH

**San Juan**

13. STATE

**Utah**1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ **Dry Hole**2. NAME OF OPERATOR  
**Mesa Petroleum Company**3. ADDRESS OF OPERATOR  
**Box 234, Farmington, N. M. 87401**4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface**2120' fm, 2010' fm**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

**5096' Gr.**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☒(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**This well was plugged and abandoned in the following manner:**

1. Spotted 50 cu. ft. plug 5500' - 5640'.
2. Spotted 80 cu. ft. plug 5200' - 5400'.
3. Spotted 40 cu. ft. plug 4435' - 4535'.
4. Spotted 40 cu. ft. plug 2525' - 2625'.
5. Spotted 40 cu. ft. plug 1200' - 1300'.
6. Spotted 10 cu. ft. plug surface.

**Erected dry hole marker and cleaned up location.**

18. I hereby certify that the foregoing is true and correct

SIGNED Original signed by T. A. Dugan TITLE AgentDATE 3/13/70

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_